

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

[0028] As will be discussed in further detail below, each base station, for example 210a, typically implements a transmitter configured to provide the downlink, also referred to as the forward link, communication to terminals, for example [[520a]] 220a. Additionally, each base station, for example 210a, also implements a receiver configured to receive the uplink, also referred to as reverse link, communication from the terminals, for example [[520a]] 220a.

[0032] The base station, for example 210b, can attempt to maintain a predetermined SINR or C/I value for each sub-carrier, such that a predetermined quality of service is maintained to the terminals, for example 220b-d. An SIR or C/I that is greater than the predetermined value may contribute little to the quality of service seen by the terminal, for example [[520b]] 220b, but would result in an increased CCI for all adjacent cells, 202a, 202d, and 202e. Conversely, an SINR or C/I value that is below the predetermined level can result in greatly decreased quality of service experienced by the terminal, 220b.

[0049] The OFDM receiver 400 of FIG. 4A receives at an antenna 402 RF signals that are transmitted by a complementary OFDM transmitter. The output of the antenna [[420]] 402 is coupled to a receiver 410 that can filter, amplify, and downconvert to baseband the received OFDM signal.